

9-1-00
JC921 U.S. PTO
09/31/00

Practitioner's Docket No. 915.373

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Jorg PIETRUSZKA

WARNING: 37 C.F.R. § 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

"(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name or names of the inventor or inventors."

For (title): An Arrangement for Using a Number of Modifiable Settings

CERTIFICATION UNDER 37 C.F.R. 1.10*
(Express Mail label number is mandatory.)
(Express Mail certification is optional.)

I hereby certify that this New Application Transmittal and the documents referred to as attached therein are being deposited with the United States Postal Service on this date August 31, 2000 in an envelope as "Express Mail Post Office to Addressee," mailing Label Number EL628637292US, addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

Judith Schick
(type or print name of person mailing paper)

Judith Schick
Signature of person mailing paper

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

*WARNING: Each paper or fee filed by "Express Mail" **must** have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. 1.10(b).
"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will **not** be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.
(Application Transmittal [4-1]—page 1 of 11)

JC912 U.S. PTO
09/652067
08/31/00

1. Type of Application

This new application is for a(n)

(check one applicable item below)

- ☒ Original (nonprovisional)
☐ Design
☐ Plant

WARNING: Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application.

WARNING: Do not use this transmittal for the filing of a provisional application.

NOTE: If one of the following 3 items apply, then complete and attach **ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED** and a **NOTIFICATION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION**.

- ☐ Divisional.
☐ Continuation.
☐ Continuation-in-part (C-I-P).

2. Benefit of Prior U.S. Application(s) (35 U.S.C. 119(e), 120, or 121)

NOTE: A nonprovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paragraph of 35 U.S.C. 112. Each prior application must also be:

(i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or

(ii) Complete as set forth in § 1.51(b); or

(iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or

(iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(f) within the time period set forth in § 1.53(f).

37 C.F.R. § 1.78(a)(1).

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach **ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED**.

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. 120, 121 or 365(c). (35 U.S.C. 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

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WARNING: When the last day of pendency of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, any nonprovisional application claiming benefit of the provisional application must be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. § 1.78(a)(3).

- ☐ The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

3. Papers Enclosed

A. Required for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application

7 Pages of specification

2 Pages of claims

3 Sheets of drawing

WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 CFR 1.84, see Notice of March 9, 1988 (1990 O.G. 57-62).

NOTE: "Identifying indicia, if provided, should include the application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application. This information should be placed on the back of each sheet of drawing a minimum distance of 1.5 cm. (5/8 inch) down from the top of the page . . ." 37 C.F.R. 1.84(c)).

(complete the following, if applicable)

- ☐ The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. 1.84(b).
- ☒ formal
- ☐ informal

B. Other Papers Enclosed

2 Pages of declaration and power of attorney

1 Pages of abstract

 Other

4. Additional papers enclosed

- ☒ Amendment to claims
- ☐ Cancel in this applications claims _____ before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
- ☒ Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.)
- ☒ Preliminary Amendment
- ☒ Information Disclosure Statement (37 C.F.R. 1.98)
- ☒ Form PTO-1449 (PTO/SB/08A and 08B)
- ☒ Citations

- ☐ Declaration of Biological Deposit
- ☐ Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
- ☐ Authorization of Attorney(s) to Accept and Follow Instructions from Representative
- ☐ Special Comments
- ☐ Other

5. Declaration or oath (including power of attorney)

NOTE: A newly executed declaration is not required in a continuation or divisional application provided that the prior nonprovisional application contained a declaration as required, the application being filed is by all or fewer than all the inventors named in the prior application, there is no new matter in the application being filed, and a copy of the executed declaration filed in the prior application (showing the signature or an indication thereon that it was signed) is submitted. The copy must be accompanied by a statement requesting deletion of the names of person(s) who are not inventors of the application being filed. If the declaration in the prior application was filed under § 1.47, then a copy of that declaration must be filed accompanied by a copy of the decision granting § 1.47 status or, if a nonsigning person under § 1.47 has subsequently joined in a prior application, then a copy of the subsequently executed declaration must be filed. See 37 C.F.R. §§ 1.63(d)(1)-(3).

NOTE: A declaration filed to complete an application must be executed, identify the specification to which it is directed, identify each inventor by full name including family name and at least one given name, without abbreviation together with any other given name or initial, and the residence, post office address and country or citizenship of each inventor, and state whether the inventor is a sole or joint inventor. 37 C.F.R. § 1.63(a)(1)-(4).

☒ Enclosed

Executed by

(check all applicable boxes)

- ☒ inventor(s).
- ☐ legal representative of inventor(s).
37 CFR 1.42 or 1.43.
- ☐ joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.
- ☐ This is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 13 below for fee.

☐ Not Enclosed.

NOTE: Where the filing is a completion in the U.S. of an International Application or where the completion of the U.S. application contains subject matter in addition to the International Application, the application may be treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.

- ☐ Application is made by a person authorized under 37 C.F.R. 1.41(c) on behalf of all the above named inventor(s).

(The declaration or oath, along with the surcharge required by 37 CFR 1.16(e) can be filed subsequently).

- ☐ Showing that the filing is authorized.
(not required unless called into question. 37 CFR 1.41(d))

6. Inventorship Statement

WARNING: If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted.

The inventorship for all the claims in this application are:

☐ The same.

or

☐ Not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,

☐ is submitted.

☐ will be submitted.

7. Language

NOTE: An application including a signed oath or declaration may be filed in a language other than English. An English translation of the non-English language application and the processing fee of \$130.00 required by 37 CFR 1.17(k) is required to be filed with the application, or within such time as may be set by the Office. 37 CFR 1.52(d).

☒ English

☐ Non-English

☐ The attached translation includes a statement that the translation is accurate. 37 C.F.R. 1.52(d).

8. Assignment

☒ An assignment of the invention to Nokia Mobile Phones Ltd

☒ is attached. A separate ☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☒ FORM PTO 1595 is also attached.

☐ will follow.

NOTE: "If an assignment is submitted with a new application, send two separate letters—one for the application and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).

WARNING: A newly executed "CERTIFICATE UNDER 37 CFR 3.73(b)" must be filed when a continuation-in-part application is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64.

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9. Certified Copy

Certified copy(ies) of application(s)

Germany	19943342.9	September 10, 1999
Country	Appln. No.	Filed

Country	Appln. No.	Filed
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Country	Appln. No.	Filed
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from which priority is claimed

☐ is (are) attached.☒ will follow.

NOTE: The foreign application forming the basis for the claim for priority must be referred to in the oath or declaration. 37 CFR 1.55(a) and 1.63.

NOTE: This item is for any foreign priority for which the application being filed directly relates. If any parent U.S. application or International Application from which this application claims benefit under 35 U.S.C. 120 is itself entitled to priority from a prior foreign application, then complete item 18 on the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

10. Fee Calculation (37 C.F.R. 1.16)A. ☒ Regular application

CLAIMS AS FILED			
Number filed	Number Extra	Rate	Basic Fee 37 C.F.R. 1.16(a) \$ 690.00
Total 13	0		
Claims (37 CFR 1.16(c)) - 20 =		×	\$ 18.00
Independent 2	0		
Claims (37 CFR 1.16(b)) - 3 =		×	\$ 78.00
Multiple dependent claim(s), if any (37 CFR 1.16(d))		+	\$260.00

☐ Amendment cancelling extra claims is enclosed.☒ Amendment deleting multiple-dependencies is enclosed.☐ Fee for extra claims is not being paid at this time.

NOTE: If the fees for extra claims are not paid on filing they must be paid or the claims cancelled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency. 37 CFR 1.16(d).

Filing Fee Calculation \$ 690.00

B. ☐ Design application

\$310.00 —37 CFR 1.16(f)

Filing Fee Calculation \$

C. ☐ Plant application

\$480.00 —37 CFR 1.16(g)

Filing fee calculation \$

(Application Transmittal [4-1]—page 6 of 11)

11. Small Entity Statement(s)

- ☐ Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and 1.27 is (are) attached.

WARNING: "Status as a small entity must be specifically established in each application or patent in which the status is available and desired. Status as a small entity in one application or patent does not affect any other application or patent, including applications or patents which are directly or indirectly dependent upon the application or patent in which the status has been established. The refiling of an application under § 1.53 as a continuation, division, or continuation-in-part (including a continued prosecution application under § 1.53(d)), or the filing of a reissue application requires a new determination as to continued entitlement to small entity status for the continuing or reissue application. A nonprovisional application claiming benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) of a prior application, or a reissue application may rely on a statement filed in the prior application or in the patent if the nonprovisional application or the reissue application includes a reference to the statement in the prior application or in the patent or includes a copy of the statement in the prior application or in the patent and status as a small entity is still proper and desired. The payment of the small entity basic statutory filing fee will be treated as such a reference for purposes of this section." 37 C.F.R. § 1.28(a)(2).

(complete the following, if applicable)

- ☐ Status as a small entity was claimed in prior application
 _____ / _____, filed on _____, from which benefit
 is being claimed for this application under:

35 U.S.C. ☐ 119(e),
☐ 120,
☐ 121,
☐ 365(c),

and which status as a small entity is still proper and desired.

- ☐ A copy of the statement in the prior application is included.

Filing Fee Calculation (50% of A, B or C above)

\$ _____

NOTE: Any excess of the full fee paid will be refunded if small entity status is established and a refund request are filed within 2 months of the date of timely payment of a full fee. The two-month period is not extendable under § 1.136. 37 CFR 1.28(a).

12. Request for International-Type Search (37 C.F.R. 1.104(d))

(complete, if applicable)

- ☐ Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

(Application Transmittal [4-1]—page 7 of 11)

13. Fee Payment Being Made at This Time☐ Not Enclosed☐ No filing fee is to be paid at this time.*(This and the surcharge required by 37 C.F.R. 1.16(e) can be paid subsequently.)*☒ Enclosed☒ Filing fee \$ 690.00☒ Recording assignment
(\$40.00; 37 C.F.R. 1.21(h))
(See attached "COVER SHEET FOR
ASSIGNMENT ACCOMPANYING NEW
APPLICATION".) \$ 40.00☐ Petition fee for filing by other than all the
inventors or person on behalf of the inventor
where inventor refused to sign or cannot be
reached
(\$130.00; 37 C.F.R. 1.47 and 1.17(i)) \$ _____☐ For processing an application with a
specification in
a non-English language
(\$130.00; 37 C.F.R. 1.52(d) and 1.17(k)) \$ _____☐ Processing and retention fee
(\$130.00; 37 C.F.R. 1.53(d) and 1.21(l)) \$ _____☐ Fee for international-type search report
(\$40.00; 37 C.F.R. 1.21(e)) \$ _____

NOTE: 37 CFR 1.21(f) establishes a fee for processing and retaining any application that is abandoned for failing to complete the application pursuant to 37 CFR 1.53(f) and this, as well as the changes to 37 CFR 1.53 and 1.78(a)(1), indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee must be paid, or the processing and retention fee of \$ 1.21(f) must be paid, within 1 year from notification under § 53(f).

Total fees enclosed \$ 730.00**14. Method of Payment of Fees**☒ Check in the amount of \$ 730.00☐ Charge Account No. _____ in the amount of
\$ _____

A duplicate of this transmittal is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 CFR 1.22(b).

(Application Transmittal [4-1]—page 8 of 11)

15. Authorization to Charge Additional Fees

WARNING: If no fees are to be paid on filing, the following items should not be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.

- ☒ The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 23-0442.

☒ 37 C.F.R. 1.16(a), (f) or (g) (filing fees)

☐ 37 C.F.R. 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 CFR 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

☐ 37 C.F.R. 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

☐ 37 C.F.R. §§ 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a)).

☐ 37 C.F.R. 1.17 (application processing fees)

NOTE: ". . . A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3).

☐ 37 C.F.R. 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. 1.311(b))

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 CFR 1.311(b).

NOTE: 37 CFR 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, . . . the issue fee. . . ." From the wording of 37 CFR 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

(Application Transmittal [4-1]—page 9 of 11)

16. Instructions as to Overpayment

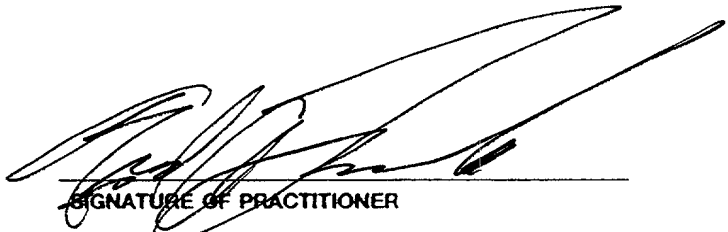
NOTE: "... Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).

☒ Credit Account No. 23-0442
☐ Refund

Reg. No. 27,550

Tel. No. (203) 261-1234

Customer No. 004955



SIGNATURE OF PRACTITIONER

Alfred A. Fressola

(type or print name of attorney)

WARE, FRESSOLA, VAN DER SLUYS & ADOLPHSON LLP
755 Main Street, Building Five

P.O. Address

PO Box 224
Monroe, CT 06468

☒ **Incorporation by reference of added pages**

(check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED)

- ☐ Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed

Number of pages added _____

- ☒ Plus Added Pages for Papers Referred to in Item 4 Above

Number of pages added 9 plus cited ref.

- ☐ Plus added pages deleting names of inventor(s) named in prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.

Number of pages added _____

- ☒ Plus "Assignment Cover Letter Accompanying New Application"

Number of pages added 3

☐ **Statement Where No Further Pages Added**

(if no further pages form a part of this Transmittal, then end this Transmittal with this page and check the following item)

- ☐ This transmittal ends with this page.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the matter of:	Pietruszka)	
)	
Serial No:)	Group Art Unit
)	Examiner:
Filed:	Herewith)	
)	
For:	An Arrangement for Using a Number of)	
	Modifiable Settings)	

ASSISTANT COMMISSIONER OF PATENTS
WASHINGTON, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Please preliminarily amend the above-referenced U.S. patent as follows:

In the Specification:

On page 1, line 4, please delete "1. Field of the Invention" and substitute a new heading as follows: --Technical Field--.

On page 1, line 8, please delete "2. Description of the related art" and substitute a new heading as follows: --Background of the Invention--.

5 On page 1, line 9, please delete "according to the characterizing clause" and substitute therefor --with a number of modifiable settings, at least some of which are stored as individual values in a memory and are available as preset values to a user,--.

On page 1, prior to line 25, please insert a new heading as follows: --Summary of the Invention--.

On page 2, line 1, please delete "Summary of the invention".

On page 2, line 2, please delete "with the features of claim 1 or claim 2.

Advantageous further developments can be found in claims 3 to 7" and substitute therefor
--an arrangement with a number of modifiable settings, at least some of which are stored as
5 individual values in a memory and are available as preset values to a user, characterized in
that a telephone keyboard is provided, that at least a part of the memory range is such that it
is used exclusively for recording and storing telephone numbers and which is addressable via
the keyboard, that at least some of the individual values are stored as telephone numbers in
the memory areas. It is also achieved by an arrangement with a number of modifiable
10 settings, characterized in that a telephone keyboard and a memory are provided, that at least
a part of the memory range is such that it is used exclusively to record and store telephone
numbers and is addressable via the keyboard, that individual values which correspond to
determined presettings for the arrangement are stored as telephone numbers in the memory
areas--.

On page 2, lines 4 - 5, please delete "according to claim 1 or claim 2".

On page 2, line 12, please delete "his" and substitute therefor --the user's--.

On page 2, line 16, please delete "his" and substitute therefor --his/her--.

On page 3, line 4, please delete "according to claim 3 is provided, which
differentiates" and substitute therefor --is provided, it can differentiate--.

On page 3, line 6, please delete "it ensures" and substitute therefor --thereby
ensuring--.

On page 3, line 10, please delete "According to claim 4 this can be realized if the" and substitute therefor --The--.

On page 3, please delete "is" and substitute therefor --can be--.

On page 3, line 14, please delete "according to claim 5".

5 On page 3, line 19, please delete the second occurrence of "of the".

On page 3, line 19, please delete "drawings" and substitute therefor --Drawings--.

On page 3, line 20, please delete "where:".

On page 3, line 21, after "invention", please insert --showing various information that can be shown on the display under designations A through G--.

10 On page 3, line 24, please delete "Detailed description of the invention" and substitute a new heading as follows:

--Best Mode for Carrying Out the Invention--.

On page 4, lines 1 - 2, please delete "(not illustrated)" and substitute therefor --(100) (shown in phantom)--.

15 On page 4, line 3, please delete "(not illustrated)".

On page 4, line 7, please delete "he" and substitute therefor --he/she--.

On page 4, line 8, please delete "he" and substitute therefor --he/she--.

On page 4, line 11, after "(15)", please insert --(shown in phantom)--.

On page 4, line 12, after "number", please insert --,--.

20 On page 4, line 16, please delete "he" and substitute therefor --he/she--.

On page 5, line 1, please delete "he" and substitute therefor --he/she--.

On page 5, line 6, after "under", please insert --designation--.

On page 5, line 9, please delete "Fig." and substitute therefor --see designation--.

On page 5, line 12, please delete "Fig." and substitute therefor --designation--.

On page 5, line 13, please delete "Fig." and substitute therefor --designation--.

5 On page 5, line 15, please delete "none are" and substitute therefor --not--.

On page 5, line 20, please delete "13 sic" and substitute therefor --14--.

On page 6, line 27, please delete "not illustrated" and substitute therefor --see
memory (100)--.

On page 7, line 6, after "conclusion", please insert --,--.

10 On page 7, line 8, please delete "should be" and substitute therefor --have been--.

In the Claims:

1 3. (Amended) An arrangement as claimed in claim [1 or claim] 2, characterized
2 in that a unit is provided which differentiates between stored telephone numbers and stored
3 individual values, and brings up the respective settings after individual values have been
4 determined.

1 6. (Amended) An arrangement as claimed in [one of claims 1 to] claim 5,
2 characterized in that when the arrangement containing the stored individual values is
3 connected to another arrangement, the stored individual values are transferred to the other
4 arrangement to bring about the individual settings connected with the latter.

1 7. (Amended) An arrangement as claimed in [one of claims 1 to] claim 6,
2 characterized in that the arrangement which contains stored individual values that are
3 intended for other arrangements, is an arrangement for mobile communications.

Please add the following new claims:

1 8. An arrangement as claimed in claim 1, characterized in that a unit is provided
2 which differentiates between stored telephone numbers and stored individual values, and
3 brings up the respective settings after individual values have been determined.

1 9. An arrangement as claimed in claim 8, characterized in that the unit is an
2 evaluation device which ascertains the difference by means of reserved concepts.

1 10. An arrangement as claimed in claim 1, characterized in that when the
2 arrangement containing the stored individual values is connected to another arrangement, the
3 stored individual values are transferred to the other arrangement to bring about the individual
settings connected with the latter.

1 11. An arrangement as claimed in claim 10, characterized in that the arrangement
2 which contains stored individual values that are intended for other arrangements, is an
3 arrangement for mobile communications.

1 12. An arrangement as claimed in claim 2, characterized in that when the
2 arrangement containing the stored individual values is connected to another arrangement, the

stored individual values are transferred to the other arrangement to bring about the individual settings connected with the latter.

13. An arrangement as claimed in claim 12, characterized in that the arrangement
- 1 which contains stored individual values that are intended for other arrangements, is an
- 2 arrangement for mobile communications.

In the Abstract:

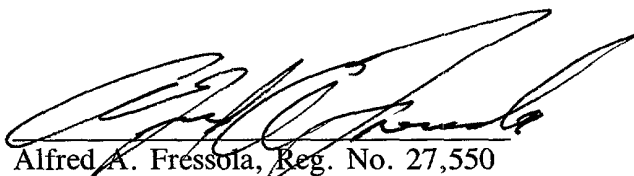
On page 10, after "Abstract", please insert --of the Disclosure--.

Remarks

This preliminary amendment is filed for the purpose of placing the application into standard U.S. format. Consideration and allowance of the claims is earnestly solicited.

Respectfully submitted,

Date: 8/31/2000


Alfred A. Fressola, Reg. No. 27,550
Ware, Fressola, Van Der Sluys
& Adolphson LLP
Bradford Green, Building Five
755 Main Street, PO Box 224
Monroe, CT 06468
(203) 261-1234

Description

An arrangement for using a number of modifiable settings

Background of the invention

1. Field of the invention

5 The invention concerns arrangements whereby a number of modifiable settings can be made, where at least some of these settings are stored as individual values in a memory and as such are or become available to a user as preset values.

2. Description of the related art

10 Arrangements according to the characterizing clause are well known in the state of the art. Thus it is usual in television technology that when a user generates individual settings which deviate for example from factory settings, they are stored upon request as individual settings or individual values, and are made available to the user during a subsequent use of the arrangement. This principle is also used in automobile technology, where for example the seat, steering wheel and/or mirror settings are stored
15 in accordance with the driver's specifications. If another driver takes over and individual values were previously stored for this driver, the new driver can retrieve the individual values assigned to a person from the memory, whereby the settings corresponding to the individual values can be carried out by corresponding servomotors. As can easily be seen, corresponding memories are required to store the individual
20 values. Furthermore corresponding actuating devices are required to set the individual values. Since when the respective devices are being produced it is often not clear in what connection the device will be used, or with what other devices the respective arrangement will operate, each one of these arrangements is equipped with a memory and a corresponding actuator, which makes the cost per arrangement relatively high.

25 It is therefore the object of the invention to propose arrangements that reduce the cost when at least two not necessarily equally constructed arrangements are used.

Summary of the invention

This object is achieved with the features of claim 1 or claim 2. Advantageous further developments can be found in claims 3 to 7.

The effort of storing individual values is simplified significantly if according to
5 claim 1 or claim 2 the memory of a telephone that is addressable from a telephone
keyboard and can store telephone numbers is used, and the respective individual values
are stored there as telephone numbers. In that case it is particularly advantageous to use
the memory areas of a mobile telephone which are designated for storing telephone
numbers. Mobile telephones on the one hand have available a nearly unlimited number
10 of memory areas. In addition the storage of individual values in the memory areas of a
mobile telephone is practical because such devices are always carried along by the user
and therefore ensure that other arrangements can adapt to his special requirements as
soon as the individual values stored in memory areas of the "telephone register" become
available to them. In a typical motor vehicle situation this can mean that after driver A
15 has left the vehicle and driver B wants to use the vehicle, the optimum seat positions
adjusted for driver B or his radio programs as well are provided when the mobile
telephone is connected to the vehicle through an on-board interface. Since the mobile
telephone as a rule has its own keyboard and a display screen, the setting of the
respective individual values of the different arrangements can be carried out at least
20 partially with the mobile telephone. The latter is especially advantageous in motor
vehicles because activation devices, which are otherwise needed to activate these
arrangements or to release the stored individual settings, become fully or at least
partially unnecessary.

It should be pointed out here that using the memory areas which are otherwise
25 used to store only telephone numbers makes it unnecessary to modify the telephone. In
particular, every telephone containing a call number memory can be used in connection
with the invention. This does not mean however that the invention is limited to
telephones that are provided with a call number memory. If the telephones being used

also have a memory area for storing individual setting values in addition to the call number memory area, the user guidance for storing individual values is considerably improved since in that case a menu for storing individual values can be provided.

5 If a unit according to claim 3 is provided, which differentiates between stored telephone numbers and individual values and provides the respective settings after determining the individual values, it ensures that when the arrangement equipped with the "telephone register" is connected to a corresponding interface which establishes the connection to the other arrangements, the respective settings can be brought about very quickly.

10 According to claim 4 this can be realized if the unit is an evaluation circuit which differentiates between a typical telephone number and numbers representing individual values for predetermined settings, from among the volume of numbers stored in the different memory areas.

15 A rapid individual setting is also provided if according to claim 5 determined storage places in the memory or in the "telephone register" are reserved for individual values, because in that case it is not necessary to search the entire "telephone register" but only a few memory areas, once the arrangement with the "telephone register" is connected by an interface to one or several arrangements.

Brief description of the of the drawings

20 where:

- Fig. 1 is an embodiment according to the invention;
- Fig. 2 is a further embodiment according to Fig. 1; and
- Fig. 3 is another embodiment according to the invention.

Detailed description of the invention

25 The invention will now be explained in greater detail by means of the figures. Fig. 1 shows an arrangement (10) in the form of a car radio, which contains a number

of means (11) for establishing settings. The arrangement (10) also has a memory (not illustrated) wherein determined settings that were established by a user can be stored as individual values. If a user has stored individual values in the (not illustrated) memory, the pre-established settings which correspond to the individual values are always
5 available to a user when he activates the arrangement. This means for example that when the arrangement (10) is activated, the radio station SWR 3 is sought as a preset value and is made available. If the user has also preset a volume limit, he cannot raise the volume above the preset level even if he activates the corresponding means 11.1.

Fig. 1 also shows a mobile telephone (12) which essentially comprises a
10 keyboard (13), a display screen (14) and a memory (15) for storing telephone numbers. The memory (15) of this commercial mobile telephone (12) can receive a number of telephone directory entries, in which for example in addition to the actual call number the name of the person linked to this call number can also be stored. For example if the user has stored the call number 123456789 in the memory (15) under the name of
15 Otto Meier, in order to establish a call and depending on the configuration of the mobile telephone (12) or its settings, he can have the stored call number, the name linked to the call number or both displayed on the screen (14). To clarify the alternative way of illustrating the mobile telephone (12) in Fig. 1, the screen A is in the name display mode and screen B is in the call number display mode.

It can furthermore be seen in Fig. 1 that the mobile telephone (12) is connected
20 by an interface (16) to the arrangement (10). The following steps are necessary if a user wants to ensure for example by manual settings of the arrangement (10) that the volume can never be raised above 50% of the maximum volume: in the same way as when a combination of a call number and name is stored, depending on the configuration of the
25 mobile telephone (12) either the call number is entered first and then the name, or vice versa, where however a concept that characterizes the respective function must be entered as the name. Since the "volume max" concept of the embodiment shown in Fig. 1 is to be characteristic for the desired volume limit, if the user actually wishes to

establish a 50% limit of the maximum volume he must for example enter the number 50 from the keyboard (13) as the "call number" under the "volume max" name. If the screen (14) of the mobile telephone (12) in Fig. 1 can only display the name or the call number, and the user has proceeded as described above, in the name display mode the screen (14) shows what is designated by C in Fig. 1, while in the call number display mode the number sequence "50" appears on the screen (14) under D in Fig. 1.

In the same way the user could also establish sound settings by entering the appropriate value with the keyboard (13) of the mobile telephone (12) under the word 'bass' (Fig. E).

It is also possible for example to store a frequency for a radio transmitter in the memory (15) of the mobile telephone (12) under the word frequency FM. This is made clear in Fig. F.

In another embodiment the concept "Tele volume" (Fig. G) can have the function that, with an existing intercom station and reproduction of the telephone sound via the loudspeakers (none are illustrated) which are connected to the arrangement (10), when a telephone conversation takes place and the manually adjusted loudness is below the value that was entered from the keyboard (13), it increases the audibility of the loudness to a previously entered value.

Fig. 2 shows another application of the invention. There the word "Tracking time" can be seen on the screen (13 sic). If a user has entered a period of about 45 minutes with the keyboard (13), it lets the mobile telephone (12) remain call-ready 45 minutes after the radio and/or the motor vehicle is turned off. This availability of the mobile telephone (12) allows the mobile telephone (12) to remain usable even during a short-term travel interruption. The fact that the mobile telephone (12) remains active during the recorded tracking time does not significantly increase the theft risk, since the settable tracking time is relatively short.

The embodiment in Fig. 3 differs from the previous examples in that the mobile telephone 12.1 is connected to the electrically adjustable driver seat (20) of a motor vehicle (not illustrated) by the interface (16). The shown position of the driver seat (20) is entered for example with the number sequence 182783464 in the memory (15) of the mobile telephone (12.1) under the "seat adjustment" concept. If the number sequence 374745 for example was also recorded in the mobile telephone (12.2) under the "seat adjustment" concept and the mobile telephone (12.2) is connected to the interface (16), this setting causes the previous setting of the driver seat (20) (shown by solid lines in Fig. 3) to be changed in accordance with the number sequence 374745 stored in the mobile telephone (12.2). These changes of advancing the seat surface (21) and increasing the angle of the seat back (22) are shown by broken lines in Fig. 3. Although it is possible to input a number sequence which changes the respective seat setting under the "seat adjustment" concept, it must be viewed as impractical due to the lengthy number sequence that must be entered for the complex seat position. This problem could however be eased by entering separate settings for the "seat height", "tilt angle" etc. concept. But it is significantly more advantageous if the entire seat setting made by the driver is recorded as a number sequence by the vehicle and is made available as such under the "seat adjustment" concept to the mobile telephone (12) which is respectively connected to the interface (16), and is stored there.

For reasons of completeness it should be pointed out that the transfer of number sequences to the respective mobile telephone (12) or its memory (15) is not limited to the preceding seat adjustment. The transfer can also be used with settings established according to Fig. 1 in the arrangement. In both cases it is only important that when number sequences are transferred to the respective mobile telephone (12), the reserved concepts "volume max", "bass", "seat adjustment" are connected to the respective number sequences.

If the arrangement (10) itself has a memory (not illustrated) in which determined preset values are stored, these preset values can be transferred to the mobile telephone

(12) in the manner described above as soon as the mobile telephone (12) is connected to the interface (16). For purposes of clarification it should be pointed out that a memory for preset values in the arrangement (10) itself is not required. Nor does the arrangement (10) require any manual input means (11), since the entire input can be
5 provided from the keyboard (13) of the mobile telephone (12).

In conclusion the procedures that take place for example when the mobile telephone (12) or a motor vehicle is connected with an interface (16) according to Fig. 1 should be explained. To bring about the settings stored in the memory (15) of the mobile telephone (12), the respective concepts "volume max", "seat adjustment" etc. are
10 transferred with the corresponding number sequences to the unit (23) via the interface (16). Since the respective concepts are reserved concepts, only the number sequences stored for that purpose are evaluated, and according to the respective evaluation and/or conversion they are transferred to the arrangement (10) in Fig. 1, or to the (not illustrated) servomotors in Fig. 3. to establish the corresponding settings.

Claims

1. An arrangement with a number of modifiable settings, at least some of which are stored as individual values in a memory and are available as preset values to a user, characterized in that a telephone keyboard is provided, that at least a part of the memory
5 range is such that it is used exclusively for recording and storing telephone numbers and which is addressable via the keyboard, that at least some of the individual values are stored as telephone numbers in the memory areas.
2. An arrangement with a number of modifiable settings, characterized in that a telephone keyboard and a memory are provided, that at least a part of the memory range
10 is such that it is used exclusively to record and store telephone numbers and is addressable via the keyboard, that individual values which correspond to determined pre-settings for the arrangement are stored as telephone numbers in the memory areas.
3. An arrangement as claimed in claim 1 or claim 2, characterized in that a unit is provided which differentiates between stored telephone numbers and stored individual
15 values, and brings up the respective settings after individual values have been determined.
4. An arrangement as claimed in claim 3, characterized in that the unit is an evaluation device which ascertains the difference by means of reserved concepts.
5. An arrangement as claimed in claim 1, characterized in that determined areas of
20 the memory are reserved for individual values.
6. An arrangement as claimed in one of claims 1 to 5, characterized in that when the arrangement containing the stored individual values is connected to another arrangement, the stored individual values are transferred to the other arrangement to bring about the individual settings connected with the latter.

7. An arrangement as claimed in one of claims 1 to 6, characterized in that the arrangement which contains stored individual values that are intended for other arrangements, is an arrangement for mobile communications.

Abstract

The invention concerns arrangements whereby a number of modifiable settings can be used, where at least some of these settings are stored as individual values in a memory and are or become available to a user as preset values. To that end it is proposed to store the individual values in an arrangement for mobile communications and make them available to the respective arrangement when both arrangements are connected. A modification of the arrangement for mobile communication is not required if the individual values are stored as telephone numbers.

FIG. 1 is a schematic diagram of a portable electronic device, such as a portable telephone, showing the device in a closed position. The device includes a display screen, a keypad, and various control buttons. The display screen shows the name "Otto Meier", the number "1234567", and the number "89". The keypad includes buttons for digits 1 through 9, 0, *, and #. The device is connected to a power source (23) via a cable (16). The device is shown in a closed position, with the keypad and display screen visible. The device is labeled with various components: A (Otto Meier), B (1234567), C (Volume Max), D (50), E (Bass), F (Frequency FM), G (Tele volume), H (1234567), I (89), J (Volume Max), K (50), L (Bass), M (Frequency FM), N (Tele volume), O (1234567), P (89), Q (Volume Max), R (50), S (Bass), T (Frequency FM), U (Tele volume), V (1234567), W (89), X (Volume Max), Y (50), Z (Bass), AA (Frequency FM), AB (Tele volume), AC (1234567), AD (89), AE (Volume Max), AF (50), AG (Bass), AH (Frequency FM), AI (Tele volume), AJ (1234567), AK (89), AL (Volume Max), AM (50), AN (Bass), AO (Frequency FM), AP (Tele volume), AQ (1234567), AR (89), AS (Volume Max), AT (50), AU (Bass), AV (Frequency FM), AW (Tele volume), AX (1234567), AY (89), AZ (Volume Max), BA (50), BB (Bass), BC (Frequency FM), BD (Tele volume), BE (1234567), BF (89), BG (Volume Max), BH (50), BI (Bass), BJ (Frequency FM), BK (Tele volume), BL (1234567), BM (89), BN (Volume Max), BO (50), BP (Bass), BQ (Frequency FM), BR (Tele volume), 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volume), EN (1234567), EO (89), EP (Volume Max), EQ (50), ER (Bass), ES (Frequency FM), ET (Tele volume), EU (1234567), EV (89), EW (Volume Max), EX (50), EY (Bass), EZ (Frequency FM), FA (89), FB (Volume Max), FC (50), FD (Bass), FE (Frequency FM), FF (Tele volume), FG (1234567), FH (89), FI (Volume Max), FJ (50), FK (Bass), FL (Frequency FM), FM (Tele volume), FN (1234567), FO (89), FP (Volume Max), FQ (50), FR (Bass), FS (Frequency FM), FT (Tele volume), FU (1234567), FV (89), FW (Volume Max), FX (50), FY (Bass), FZ (Frequency FM), GA (89), GB (Volume Max), GC (50), GD (Bass), GE (Frequency FM), GF (Tele volume), GG (1234567), GH (89), GI (Volume Max), GJ (50), GK (Bass), GL (Frequency FM), GM (Tele volume), GN (1234567), GO (89), GP (Volume Max), GQ (50), GR (Bass), GS (Frequency FM), GT (Tele volume), GU (1234567), GV (89), GW (Volume Max), GX (50), GY (Bass), GZ (Frequency FM), HA (89), HB (Volume Max), HC (50), HD (Bass), HE (Frequency FM), HF (Tele volume), HG (1234567), HH 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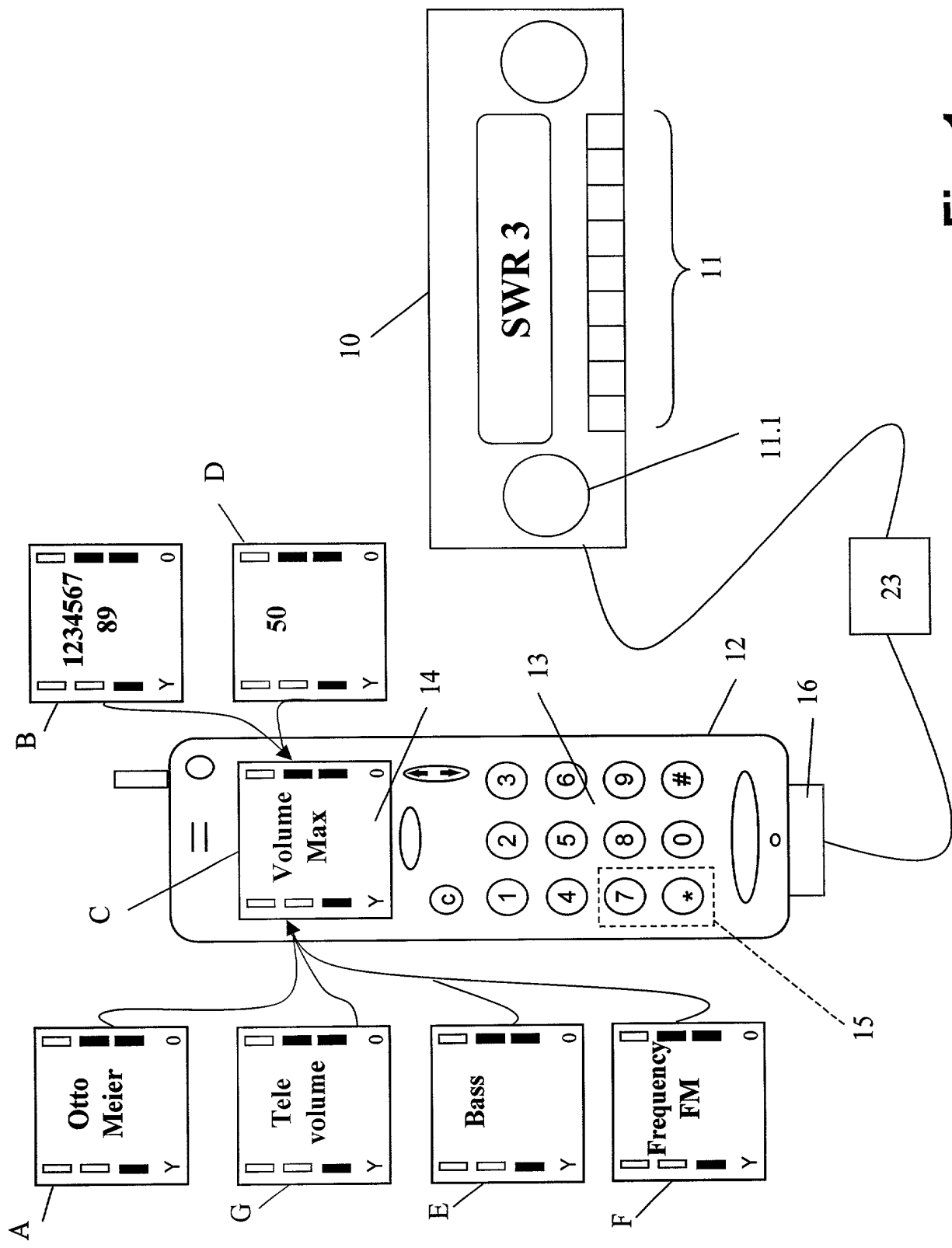


Fig. 1

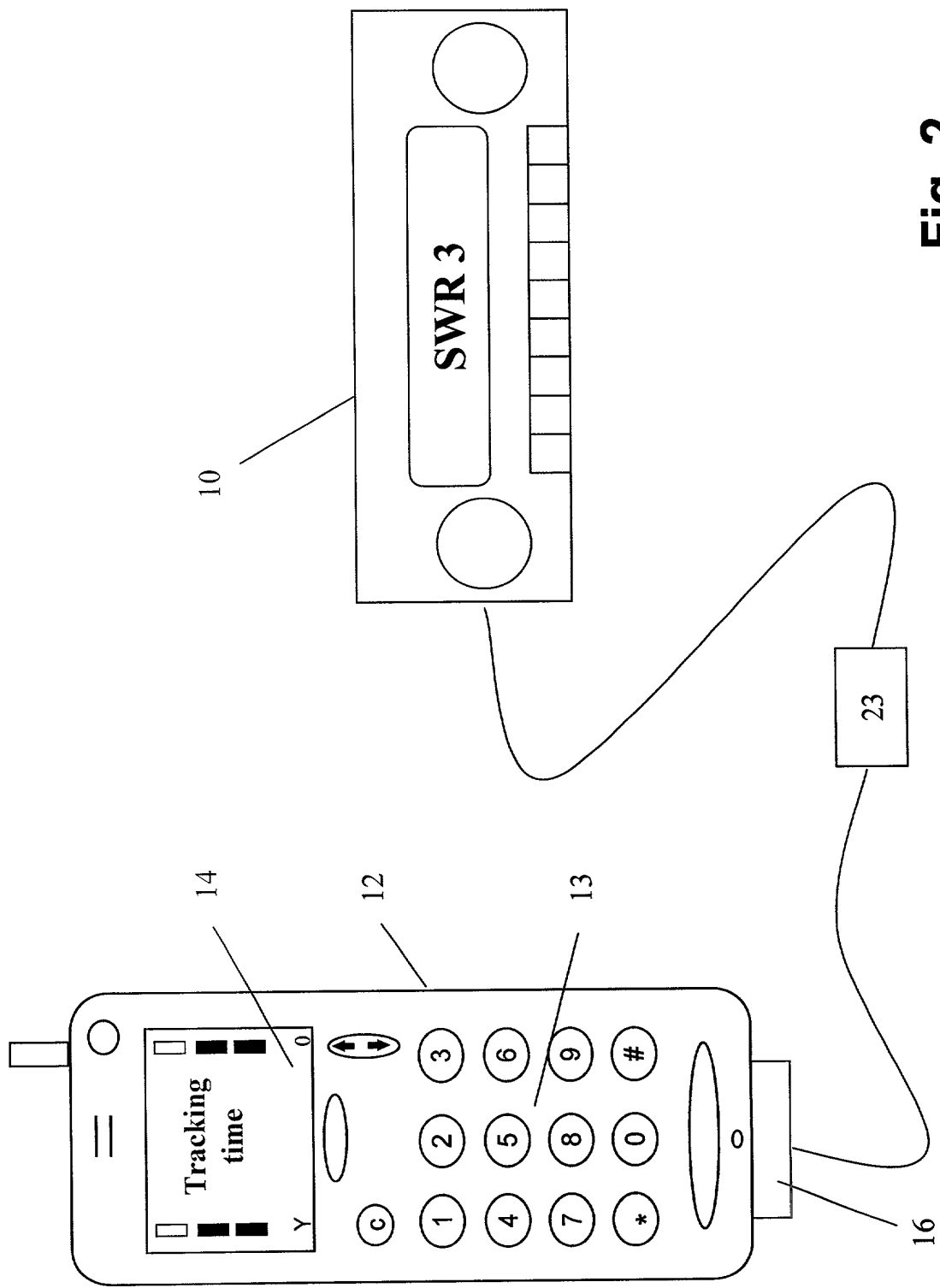


Fig. 2

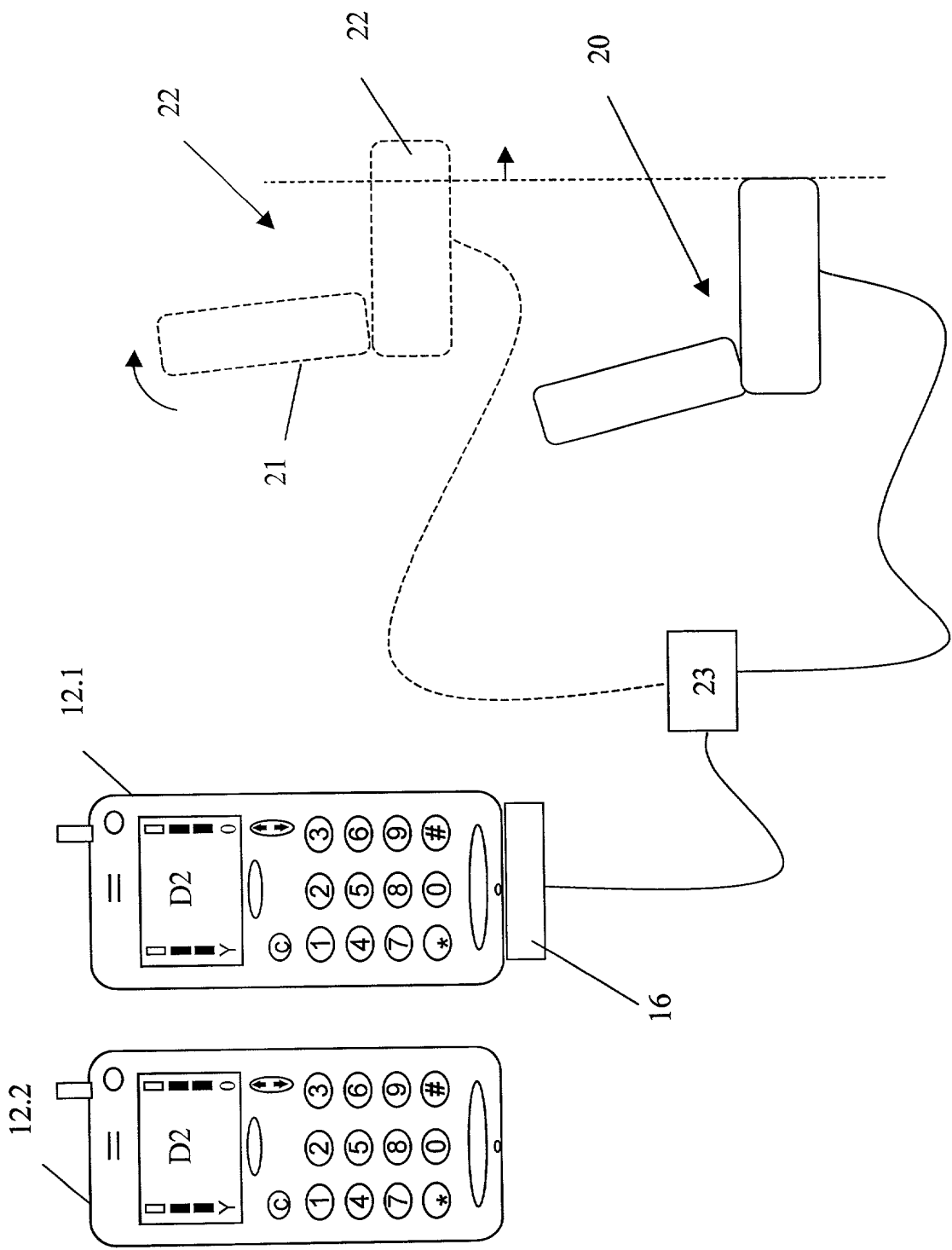


Fig. 3

COMBINED DECLARATION AND POWER OF ATTORNEY

915-373

(Docket Number)

As a below named inventor, I hereby declare that:

- my residence, post office address and citizenship are as stated below next to my name;
- I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **An arrangement for using a number of modifiable settings**
- the specification of which is attached hereto unless the following box is checked: ☐ . If the box is checked, the application was filed on
as U.S. Application Number
or PCT International Application Number
and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application			Priority Not Claimed
19943342.9 (Application Number)	Germany (Country)	10/September/1999 (Day/Month/Year Filed)	
(Application Number)	(Country)	(Day/Month/Year Filed)	
(Application Number)	(Country)	(Day/Month/Year Filed)	

To the extent permitted by rule or law, I hereby incorporate by reference the Prior Foreign Application(s) listed above.

I hereby claim the benefits under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

(Provisional Application Number)	(Day/Month/Year Filed)
(Provisional Application Number)	(Day/Month/Year Filed)

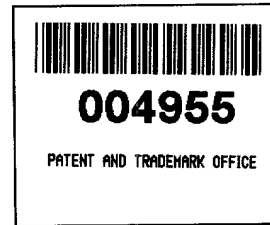
I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability, as defined in 37 CFR §1.56, which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number)	(Day/Month/Year Filed)	(Status patented, pending, abandoned)
(Application Number)	(Day/Month/Year Filed)	(Status patented, pending, abandoned)

I hereby appoint the attorney(s) and/or agent(s) assigned to the customer number listed below, as may from time to time be amended, belonging to the firm of **Ware, Fressola, Van Der Sluys & Adolphson LLP**, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Customer Number

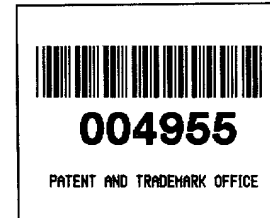
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Address all telephone calls to: Ware, Fressola, Van Der Sluys & Adolphson LLP at (203) 261-1234. **Address all correspondence to:**

Customer Number

4955



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

JÖRG PIETRUSZKA	
Full name of sole or first inventor (given name, middle initial, FAMILY NAME(S) IN UPPER CASE)	
<i>Jörg Pietruszka</i> Inventor's Signature	<u>24.08.2000</u> Date
Bochum, Germany Residence	German Citizenship
Post Office Address: Angelikastr. 18, D-44809 Bochum, Germany	

Full name of second inventor (given name, middle initial, FAMILY NAME(S) IN UPPER CASE)	
_____ Inventor's Signature	_____ Date
_____ Residence	_____ Citizenship
Post Office Address: _____	

Full name of third inventor (given name, middle initial, FAMILY NAME(S) IN UPPER CASE)	
_____ Inventor's Signature	_____ Date
_____ Residence	_____ Citizenship
Post Office Address: _____	

Additional inventors are being named on separately numbered sheets attached hereto.